

Test Number: 156836

PO Box 1948 - 1503 East Morris Street - Dalton, GA 30722
Phone: 706-278-3013 • Fax: 706-272-7057 • E-mail: info@ittslab.com

Test Report

Customer: Mannington Commercial July 15, 2015

Subject: Specimens of the submitted sample were prepared and tested in accordance with

ASTM E 648-10 and/or Federal Test Method 372. NFPA 253

FLOORING RADIANT PANEL TEST

Sample Description

Style: Raffia Back: Integra HP

Test Assembly

Mounted on 6mm FRC Board (Using Premium Multi Purpose Adhesive)

Test Results	Specimen No. 1	Specimen No. 2	Specimen No. 3
Critical Radiant Flux	0.92 watts/cm ²	0.84 watts/cm ²	0.84 watts/cm ²
Total Burn Length	19.0 cm	23.0 cm	23.0 cm
Flame Front Out	15.0 minutes	15.0 minutes	15.0 minutes

Average Critical Radiant Flux 0.87 watts/cm²

Estimated Standard Deviation 0.05 watts/cm²

5.3% coefficient of variation

President L. Kent Sudd

Page 1 of 1

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Customer: Mannington Commercial

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Subject: Specimens of the submitted sample were prepared and tested in accordance with the procedures proposed by the National Institute of Standards and Technology (formerly National Bureau of Standards), Technical Note 708 and NFPA 258, ASTM E 662-06.

SMOKE DENSITY TEST (NIST)

Operating Conditions

Irradiance:

2.5 watts/cm²

G Factor

132

Thermal Exposure: Furnace Voltage:

Flaming 102

Burner Fuel:

Propane

Sample Description

Style: Raffia

Back: Integra HP

Test Results

Chamber	Temperature,	°F	(start)
Onamboi	Temperature,		(Start)

Chamber Pressure

Minimum Transmittance (TM), %

at, minutes

Maximum Specific Optical Density (DM)

Clear Beam, (DC)

DM, CORRECTED (DMC)

Specific Optical Density at 1.5 minutes

Specific Optical Density at 4.0 minutes

Time to 90% DM, minutes

Time to DS = 16, minutes

#1		#2	#3	Average
95	e e	95	95	
	Maintaine	ed positive,	under 3"	H ₂ O

83%	71%	46%	
7.37	8.35	7.03	7.58
407	416	441	421
55	65	73	64
352	351	368	357
133	143	113	130
386	369	391	382
3.13	6.00	4.27	4.47
0.88	0.78	0.90	0.85

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